

AMENDMENT AND PRESENTATION OF CLAIMS

Please replace all prior claims in the present application with the following claims.

1. (Currently Amended) A method comprising:

causing, at least in part, receiving at an electronic device a command specifying execution of an unidentified executable on first data;

automatically determining, from metadata of the first data, a content type of the first data;

automatically identifying an executable using the content type determined from the metadata;

and

causing, at least in part, operating on the first data using the identified executable.

2. (Canceled)

3. (Previously Presented) A method as claimed in claim 1, wherein the command contains an identifier of the first data.

4. (Original) A method as claimed in claim 3, wherein the identifier identifies a node of a hierarchical nodular data structure.

5. (Currently Amended) A method as claimed in claim 4, wherein the command is an exec command and the identifier is a URI uniform resource identifier contained within a source element, which is contained within the exec command.

6. (Currently Amended) A method as claimed in claim 1, wherein the command is received as XML extensible markup language code.

7. (Original) A method as claimed in claim 6, wherein the command is a SyncML command.

8. (Previously Presented) A method as claimed in claim 1, wherein the identified first data is stored at the electronic device.

9. (Previously Presented) A method as claimed in claim 6, wherein the identified first data is stored at a first leaf node of a hierarchical nodular data structure.

10. (Previously Presented) A method as claimed in claim 9, wherein the metadata is associated with the first leaf node and identifies the content type of the first data stored at the first leaf node of the hierarchical data structure.

11. (Canceled)

12. (Currently Amended) A method as claimed in claim 1, wherein determining the content type uses at least one of the value of a Format element and the value of a Type element associated with the first data.

13. (Previously Presented) A method as claimed in claim 1 further comprising associating a plurality of different executables with each of a plurality of different content types.

14. (Previously Presented) A method as claimed in claim 13, wherein automatically identifying an executable from the content type comprises identifying the executable associated with the content type determined from the metadata.

15. (Previously Presented) A method as claimed in claim 13, wherein the plurality of different executables are stored in the electronic device.

16. (Previously Presented) A method as claimed in claim 1, further comprising, before receiving the command specifying execution of the unidentified executable on the first data, receiving commands for creating a hierarchical nodular data structure including the first data at the electronic device.

17. (Withdrawn) A method, comprising:
transferring code comprising a command to an electronic device, wherein the command specifies execution of an unidentified executable on first data stored at a first leaf node of a hierarchical nodular data structure;
determining, from metadata of the first leaf node, a content type of the first data;
identifying an executable using the content type determined from the metadata of the identified first leaf node; and
operating on the first data, stored at the identified first leaf node, using the identified executable.

18. (Withdrawn) A method, comprising:
receiving re-usable code at an electronic device wherein the code comprises:

commands for creating at the electronic device a hierarchical nodular data structure, having leaf nodes and interior nodes, that comprises first data stored at a first leaf node; and a further command specifying execution of an unidentified executable on the first data stored at the first leaf node;

determining, from metadata stored at the first leaf node, a content type of the first data stored at the first leaf node;

identifying an executable using the content type determined from the metadata stored at the first leaf node; and

operating on the first data stored at the first leaf node using the identified executable.

19. (Withdrawn) An electronic device, comprising:

a memory configured to store first data and metadata of the first data;

a receiver configured to receive a command specifying execution of an unidentified executable on the first data; and

a processor configured to determine from the metadata of the first data, a content type of the first data, to identify an executable using the content type determined from the metadata, and to operate on the first data using the identified executable.

20. (Withdrawn) An electronic device as claimed in claim 19, wherein the receiver is further configured to receive a set-up code, and the processor is configured to interpret the received set-up code to create a hierarchical nodular data structure, having leaf nodes and interior nodes, that comprises a first leaf node storing the first data.

21. (Withdrawn) An electronic device as claimed in claim 20, wherein the receiver is configured to receive the command in the set up code, and the processor is configured to interpret the command to determine, from the metadata of the first data, the content type of the first data.

22. (Withdrawn) A data structure embodied on a computer-readable medium, comprising: code identifying first data and specifying execution of an unidentified executable on the first data.

23. (Withdrawn) A data structure as claimed in claim 22, wherein the code further specifies the transfer of the first data to an electronic device.

24. (Withdrawn) A data structure embodied on a computer-readable medium, comprising: commands, execution of which create at an electronic device a hierarchical nodular data structure, having leaf nodes and interior nodes, that comprises first data stored at a first leaf node; and

a further command identifying the first leaf node and specifying execution of an unidentified executable on the first data stored at the first leaf node.

25. (Withdrawn) A method, comprising: using a data structure as claimed in claim 22.

26. (Withdrawn) A method comprising: setting-up an electronic device using a data structure as claimed in claim 22.

27. (Withdrawn) A method comprising: re-using the data structure as claimed in claim 22, to set-up different electronic devices.

28. (Withdrawn) A server for storing and transmitting the data structure as claimed in claim 22.

29.-33. (Canceled)

34. (Withdrawn) An electronic device, comprising:
means for storing first data;
means for receiving a command specifying execution of an unidentified executable on the first data;
means for determining, from metadata, a content type of the identified first data;
means for identifying an executable using the content type determined from the metadata; and
means for operating on the identified data using the identified executable.

35. (Withdrawn) A method, comprising:
providing code identifying first data and specifying execution of an unidentified executable on the first data and
transmitting the code.

36. (Withdrawn) A method, comprising:
transmitting commands for creating a hierarchical nodular data structure, having leaf nodes and interior nodes, that comprises first data stored at a first leaf node; and

transmitting a further command specifying execution of an unidentified executable on the first data stored at the first leaf.

37. (Withdrawn) A server, comprising:

a memory configured to store code identifying first data and specifying execution of an unidentified executable on the first data; and
an interface configured to transmit the code.

38. (Withdrawn) A server as claimed in claim 37, wherein the operations further comprise setting up an electronic device.

39. (Withdrawn) A server as claimed in claim 37, wherein the operations further comprise re-using the code in setting up different electronic devices.

40. (Withdrawn) A server, comprising:

a memory configured to store commands, execution of which resulting in creation at an electronic device, of a hierarchical nodular data structure, having leaf nodes and interior nodes, that comprises first data stored at a first leaf node, and configured to store a further command identifying the first leaf node that specifies execution of an unidentified executable on the first data stored at the first node identifying the first leaf node that specifies execution of an unidentified executable on the first data stored at the first leaf node; and

a transmitter configured to transmit the stored instructions.

41. (Previously Presented) A computer program product comprising program instructions embodied on a tangible computer-readable medium, execution of the program instructions resulting in operations comprising:

automatically determining, from metadata of first data, a content type of first data;

automatically identifying an executable using the content type determined from the metadata;

and

enabling the first data to be operated on using the identified executable.

42. (Canceled)

43. (Withdrawn) A method, comprising:

receiving a first command at an electronic device, the first command specifying creation of a leaf node in a hierarchical data structure, and identifying first data to be stored at the leaf node and metadata indicating a content type of the first data;

creating the leaf node at the electronic device;

receiving a second command, at the electronic device, that specifies execution of an unidentified executable on the first data stored at the created leaf node;

determining, from the metadata, the a content type of the first data;

identifying an executable using the content type determined from the metadata; and

operating on the first data using the identified executable.

44. (Withdrawn) An electronic device, comprising:

a receiver configured to receive a first command at an electronic device, the first command specifying creation of a leaf node in a hierarchical data structure, and identifying first data to be stored at the leaf node and metadata indicating a content type of the first data; and a processor configured to create the leaf node at the electronic device, wherein the receiver is further configured to receive a second command that specifies execution of an unidentified executable on the first data stored at the created leaf node, and the processor is further configured to determine, from the metadata, the content type of the first data, to identify an executable using the content type determined from the metadata, and to operate on the first data using the identified executable.